

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

LISTING OF CLAIMS:

10. (Currently Amended) An amorphous metal core transformer comprising:
a magnetic core composed of a plurality of amorphous metal strips;
a primary coil of a copper conductor material wound on said magnetic core; and
a secondary coil of an aluminum conductor material wound on said primary coil and disposed outside said primary coil in a radius direction of said primary coil, wherein
an amount of heat generated by a current flowing through said primary coil is greater than an amount of heat generated by a current flowing through said secondary coil, so that the heat generated from the primary coil is dissipated in said magnetic core and in said secondary coil and;
said secondary coil has a greater length than a length of said primary coil in an axial direction of the primary and secondary coils.
11. (Cancelled)
12. (New) An amorphous metal core transformer according to claim 10, wherein said primary employs a rectangular copper wire, and said secondary coil employs an aluminum strip wire.